



CAPACITY

**19.783kWh-500kWh**



VOLTAGE

**204.8V-768V**



DISCHARGING RATE

**1.5C**

**INDUSTRIAL & COMMERCIAL  
HIGH VOLTAGE BATTERY SYSTEM**



**High Rate**

- Dynamic cylindrical cells, charged by 1C and discharged by 1.5C



**Safety**

- Lithium iron phosphate (LFP)
- Nail test OK, no fire
- Three protections: relays, breaker, and fuse



**Modular**

- Modular design, no need to oversize the storage system
- Easily expandable, the batteries can be stacked in series to support different voltage requirements



**Reliability**

- 4000 cycles lifes
- 10 years warranty, no single point of failure

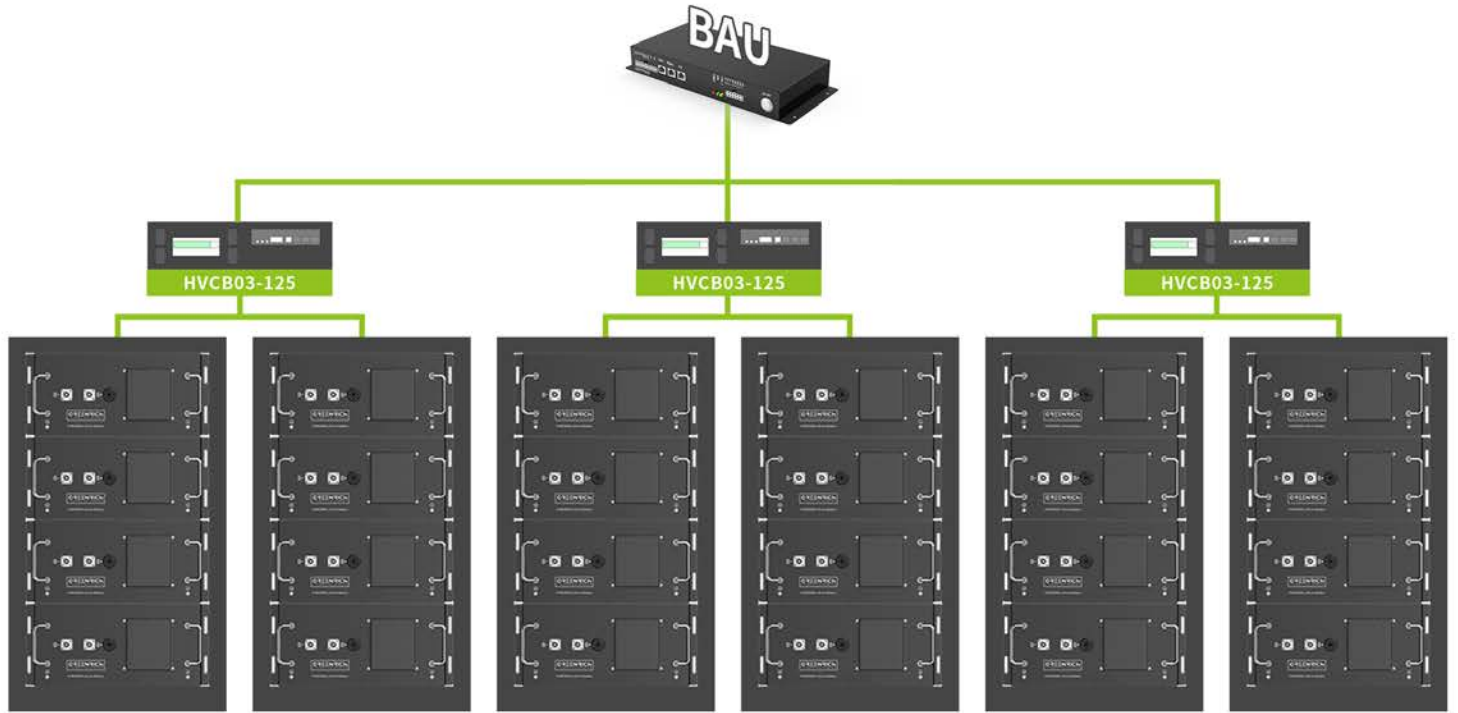


**Intelligence**

- High current detection accuracy, two detection loop used
- Compatible with 150V-900Vdc system
- Master and slave design, more stable and safer operation to maintenance system
- Reliable communication and Cloud display of data
- Support most PCS/PWG in the market, like Sinexcel, Megarevo, Goodwe and so on
- Support remote monitoring and upgrading through wifi or 4G mode



Battery Pack	
Item	Parameters
Cell Type	LiFePO4, Cylindrical cells
Configuration	16S21P
Nominal Voltage	51.2V
Nominal Capacity	96600mAh/4946Wh
Working Voltage Range	46.4V~56.8V
	0~55°C
	-20~60°C
Dimension	438mm*536mm*221mm
Weight	About 50kg
Communication Type	CAN
HVCB03-125 High Voltage Control Box	
Working Voltage Range	150V~900Vdc
Nominal Current	100A(125A@continuous maximum)
Working Temperature	-40°C~85°C
Communication interface	2 ways CAN@3ways RJ45 Physical interface
Analog quantity signal	5ways Dry contact @2ways output , 3ways input
Temperature detection	2ways @NTC 10kΩ B3950
Dimension	478mm(W)*434mm(L)*133mm(H)
Weight	11.5kg
BAU (Battery array Unit)	
Working Voltage	24Vdc
Working Temperature Range	-30°C~75°C
Working Humidity	5%~95%
485 communication	5 ways @Modbus
Ethernet communication	3 ways @TCP/IP
CAN Communication	2 ways CAN 2.0B
Dry Contact	9 ways @5 ways output、 4 ways input
Temperature Detection Range	-40°C~120°C
Temperature Detection Accuracy	≤±1°C
Operating power consumption	<3.8W
Sleep power consumption	<0.03mW
SD card storage	Standard configuration 64G TF card
PCS communication	485 or CAN
EMS communication	TCP/IP
Dimension	348mm(W)*150mm(L)*48mm(H)



Model	Nominal Voltage	Nominal capacity
IS001-040	204.8V	96.6Ah/19.78kWh
IS001-050	256.0V	96.6Ah/24.73kWh
IS001-060	307.2V	96.6Ah/29.67kWh
IS001-070	358.4V	96.6Ah/34.62kWh
IS001-080	409.6V	96.6Ah/39.57kWh
IS001-090	460.8V	96.6Ah/44.51kWh
IS001-010	512.0V	96.6Ah/49.46kWh
IS001-011	563.2V	96.6Ah/54.41kWh
IS001-012	614.4V	96.6Ah/59.35kWh
IS001-013	665.6V	96.6Ah/64.30kWh
IS001-014	716.8V	96.6Ah/69.24kWh
IS001-015	768.0V	96.6Ah/74.19kWh

**Electrical Parameters**

Upper Limite Charging Voltage (cell)	3.6V
Discharge Cut-off Voltage	2.9V
Standard/max Charging Current	50A/100A
Standard/max Discharging Current	50A/125A (limited by the breaker)
Communication Type	RS485, CAN, TCP, IP, LAN

**Operation Condition**

Environment Temperature	Charge: 0~55°C; Discharge: -20~60°C; Storage:-10~45°C
Operation Humidity	5~95% RH

**Compatible with**

